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The Troffer Reincarnated

The Everline® Retrofit Kit breathes new life into existing recessed fluorescent troffers by upgrading them to cutting-edge LED technology quickly, easily, and economically. LED provides a superior alternative to fluorescent sources for troffers in commercial, education, healthcare, and other applications.

- 2x-5x longer life; virtually maintenance free.
- 35-70% reduction in energy consumption.
- Superior lumen maintenance over life.
- Clean white light for improved aesthetic and visibility.
- Qualifies for many available utility rebate programs.
- Contains no mercury.

For a list of DesignLights Consortium™ QPL listed products please visit www.designlights.org/qpl/en/saved/UBU24XJ.

The following table recommends an appropriate Retrofit Kit to upgrade an existing fluorescent troffer. Additional savings opportunities exist through control options and in regions with higher electric rates and rebate programs.

Fluorescent Troffer ¹		2'x2' TOFFERS			2'x4' TOFFERS			
		2xF17T8	3xF17T8	2xF31U6T8	2xF40T12	2xF32T8	3xF40T12	3xF32T8
Lamp Lumens ²		2,278 lm	3,379 lm	4,544 lm	4,275 lm	5,124 lm	6,413 lm	7,413 lm
Fixture Delivered Lumens		1,695 lm	2,602 lm	3,271 lm	3,494 lm	4,188 lm	5,141 lm	5,942 lm
Input Power		29.8 W	42.8 W	56.0 W	84.0 W	58.0 W	126.0 W	88.0 W
Luminaire Efficacy		56.9 lm/W	60.8 lm/W	58.4 lm/W	41.6 lm/W	72.2 lm/W	40.8 lm/W	67.5 lm/W
Lamp Life		24,000 Hr.	24,000 Hr.	30,000 Hr.	24,000 Hr.	30,000 Hr.	24,000 Hr.	30,000 Hr.
ANNUAL COST OF OWNERSHIP	Electricity ³	\$13.05	\$18.75	\$24.53	\$36.79	\$25.40	\$55.19	\$38.54
	Peak Demand Charge ⁴	\$5.36	\$7.70	\$10.08	\$15.12	\$10.44	\$22.68	\$15.84
	Relamp Material ⁵	\$0.97	\$0.97	\$2.71	\$0.65	\$0.48	\$0.65	\$0.48
	Relamp Labor ⁶	\$1.93	\$1.93	\$1.54	\$1.93	\$1.54	\$1.93	\$1.54
	Total	\$21.31	\$29.34	\$38.86	\$54.48	\$37.87	\$80.44	\$56.41
Everline LRKXX-XXL840-U		LRK22-23L	LRK22-30L		LRK24-46L		LRK24-60L	
LRK Lumens		2,441 lm	3,361 lm		5,124 lm		7,010 lm	
Delivered Lumens ⁷		2,011 lm	2,784 lm		4,047 lm		5,444 lm	
Input Power		21.6 W	31.4 W		42.8 W		61.8 W	
Luminaire Efficacy ⁷		93.1 lm/W	88.7 lm/W		94.6 lm/W		88.1 lm/W	
Op. Hrs. to 70% Lumens		>140,000 Hr.	>140,000 Hr.		>140,000 Hr.		>140,000 Hr.	
ANNUAL COST OF OWNERSHIP	Electricity ³	\$9.46	\$13.75		\$18.75		\$27.07	
	Peak of Demand Charge ⁴	\$3.89	\$5.65		\$7.70		\$11.12	
	Relamp Mat'l. & Labor ^{5,6}	\$0.00	\$0.00		\$0.00		\$0.00	
	Total	\$13.35	\$19.41		\$26.45		\$38.19	
Everline LRK Annual Savings		\$7.96	\$9.94	\$19.45	\$28.03	\$11.42	\$42.25	\$18.21

NOTES:

1. Based on typical fluorescent lensed troffer.
 2. Design lumens after ballast factor.
 3. Based on 10 hr./day, 365 day/year operation at \$0.12/KWH.
 4. Based on \$15/KW monthly peak demand charge.
 5. Based on typical retail lamp replacement cost..
 6. Assumes 8 min./fixture re-lamp labor at \$95/Hr.
 7. As tested in a lensed troffer. Optical efficiency varies by optic, media, depth, manufacturer, etc.
- F40T12 uses magnetic ballasts. All other fluorescent models shown use electronic ballasts.